APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/759,786	01/12/2001	Ralf Hofmann	P-4596	2858

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EXAMINER
BATES, KEVIN T

ART UNIT	PAPER NUMBER
2155	5

DATE MAILED: 07/21/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

PTO 90C (Rev 10/03)

	Application No.	Applicant(s)
Office Action Summary	09/759,786	HOFMANN ET AL.
	Examiner	**Art Unit**	
	Kevin Bates	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE <u>3</u> MONTH(S) FROM
THE MAILING DATE OF THIS COMMUNICATION.
- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed
  after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
  Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any
  earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *12 January 2001*.
2a)☐ This action is **FINAL**.   2b)☒ This action is non-final.
3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is
   closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-29* is/are pending in the application.
   4a) Of the above claim(s) _____ is/are withdrawn from consideration.
5)☐ Claim(s) _____ is/are allowed.
6)☒ Claim(s) *1-29* is/are rejected.
7)☐ Claim(s) _____ is/are objected to.
8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.
10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.
   Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
   Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a)☒ All   b)☐ Some * c)☐ None of:
      1.☒ Certified copies of the priority documents have been received.
      2.☐ Certified copies of the priority documents have been received in Application No. _____.
      3.☐ Copies of the certified copies of the priority documents have been received in this National Stage
         application from the International Bureau (PCT Rule 17.2(a)).
   * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)
1)☒ Notice of References Cited (PTO-892)
2)☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3)☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
   Paper No(s)/Mail Date *2, 4*.
4)☐ Interview Summary (PTO-413)
   Paper No(s)/Mail Date. _____ .
5)☐ Notice of Informal Patent Application (PTO-152)
6)☐ Other: _____.

DETAILED ACTION

This Office Action is in response to a communication made on January 12, 2001.

The Information Disclosure Statements were received on July 23, 2001 and May

12, 2003.

The Priority Documents were received on May 7, 2002.

Claims 1-29 are pending in this application

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that

form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by
> another filed in the United States before the invention by the applicant for patent or (2) a patent
> granted on an application for patent by another filed in the United States before the invention by the
> applicant for patent, except that an international application filed under the treaty defined in section
> 351(a) shall have the effects for purposes of this subsection of an application filed in the United States
> only if the international application designated the United States and was published under Article 21(2)
> of such treaty in the English language.

Claims 1-29 are rejected under 35 U.S.C. 102(e) as being anticipated by King

(5958013).

Regarding claim 1, King discloses a method for presenting a runtime

environment component service by a first computer system to a second computer

system over a communication network (Column 7, lines 48 – 50), said method being

performed by said first computer system and comprising: generating a user interface

infrastructure, on said first computer system, to receive graphic user interface events

from said second computer system and to send remote graphic user interface

commands to said second computer system (Column 8, lines 38 – 48; Column 10, line

49 – Column 11, line 8); and using said user interface infrastructure to initialize said

runtime environment component service wherein said runtime environment component

service sends graphic user interface commands to said user interface infrastructure

(Column 10, line 49 – Column 11, line 8).

Regarding claim 2, King discloses receiving by said user interface infrastructure

a remote input action event via said communication network (Column 10, lines 56 – 60),

said remote input action event being generated in said second computer system by a

lightweight component corresponding to said runtime environment component service

(Column 7, lines 50 – 57).

Regarding claim 3, King discloses transmitting an input event to said runtime

environment component service by said user interface infrastructure in response to said

remote input action event (Column 10, lines 56 – 60).

Regarding claim 4, King discloses processing said input event by said runtime

environment component service (Column 10, lines 56 – 60).

Regarding claim 5, King discloses generating a graphic user interface command

to said user interface infrastructure by said runtime environment component service

(Column 10, line 65 – Column 11, line 4).

Regarding claim 6, King discloses transmitting a remote graphic user interface

command to said lightweight component by said graphic user interface infrastructure in

response to said graphic user interface command (Column 10, lines 49 – 54; Column

10, line 65 – Column 11, line 4).

Regarding claim 7, King discloses a method for presenting a runtime environment component service by a first computer system to a second computer system over a communication network (Column 7, lines 48 – 50), said method being performed by said first computer system and comprising: receiving a remote input action command for a runtime environment component service via said communication network (Column 10, lines 56 – 60), said remote input action command being generated in said second computer system by a lightweight component corresponding to said runtime environment component service (Column 10, lines 49 – 54; Column 10, line 65 – Column 11, line 4); transmitting a local input action command to said runtime environment component service in response to said remote input action command (Column 12, lines 27 – 38; Column 11, lines 24 – 27); processing said local input action command by said runtime environment component service (Column 11, lines 24 – 27); generating a local output command by said runtime environment component service for a graphical user interface (Column 12, lines 39 – 49); and transmitting a remote output command to said lightweight component in response to said local output command (Column 10, lines 49 – 54; Column 10, line 65 – Column 11, line 4).

Regarding claim 8, King discloses that said runtime environment component service is in an office application suite (Column 1, line 65 – Column 2, line 7).

Regarding claim 9, King discloses receiving said local output command by a local window object and in response generating said remote output command by said local window object (Column 12, lines 39 – 49).

Regarding claim 10, King discloses receiving said remote input action command by a local window object and in response generating said local input action command by said local window object (Column 12, lines 25 – 38; Column 11, lines 24 – 27).

Regarding claim 11, King discloses receiving said remote input action command by said local window object, and in response generating said local input action command by said local window object (Column 12, lines 25 – 38; Column 11, lines 24 – 27).

Regarding claims 12 and 13, King discloses that said remote input action command is a user interface event (Column 10, lines 56 – 60).

Regarding claim 14, King discloses a method comprising: receiving a command by a service executing on a computer system to create an infrastructure for executing a runtime environment component service (Column 12, lines 10 – 26), wherein said command is from a component executing on a user device; and issuing an instruction to create an instance of a remote frame window on said user device (Column 10, lines 49 – 53).

Regarding claim 15, King discloses generating an instance of a local window on said computer system by said service, wherein said local window issues remote instructions to said remote window frame in response to instructions from said runtime environment component service (Column 12, lines 10 – 38).

Regarding claim 16, King discloses that querying said remote frame window by said local window to determine properties of said remote frame window (Column 12, lines 10 – 26).

Regarding claim 17, King discloses generating, on said computer system, a local frame for said local window (Column 12, lines 10 – 26).

Regarding claim 18, King discloses receiving, by said local frame, a command from said user device to load a document (Column 11, lines 34 – 36).

Regarding claim 19, King discloses issuing, in response to said command to load a document (Column 11, lines 34 – 36), a command by said local frame to said runtime environment component service to create an instance of a runtime environment component service window on said computer system (Column 12, lines 11 – 26).

Regarding claim 20, King discloses issuing a command by said local frame to said runtime environment component service to load said document in said runtime environment component service window (Column 11, lines 34 – 36).

Regarding claim 21, King discloses issuing a command from said runtime environment component service to said local window to display said document (Column 12, lines 24 – 26).

Regarding claim 22, King discloses a method for enabling a user device to run a runtime environment component on another computer (Column 7, lines 48 – 50), said method comprising: running a browser on said user device; and running a lightweight component within said browser (Column 8, lines 38 – 48; lines 66 – 67), wherein said lightweight component receives user input actions on said user device and generates corresponding user interface events to said another computer for processing by said runtime environment component (Column 10, lines 56 – 60).

Regarding claim 23, King discloses downloading lightweight component into said user device (Column 12, lines 11 – 15).

Regarding claim 24, King discloses a computer program product comprising computer code comprising: a remote frame window class comprising: a remote output device interface and a remote frame window interface (Column 10, lines 49 – 54).

Regarding claim 25, King discloses that said computer code further comprises: a bean frame class comprising a frame interface (Column 10, lines 49 – 64).

Regarding claim 26, King discloses that said computer code further comprises: a bean window class comprising: an event handler interface; and an window peer interface (Column 10, lines 49 – 64).

Regarding claim 27, King discloses that said computer code further comprises: an abstract windowing toolkit (Column 10, lines 49 – 64).

Regarding claim 28, King discloses a computer program product comprising computer code for a method for presenting a runtime environment component service by a first computer system to a second computer system over a communication network (Column 7, lines 48 – 50), said method being performed by said first computer system; said method comprising: generating a user interface infrastructure, on said first computer system, to receive graphic user interface events from said second computer system and to send remote graphic user interface commands to said second computer system (Column 8, lines 38 – 48; Column 10, line 49 – Column 11, line 8); and using said user interface infrastructure to initialize said runtime environment component

service wherein said runtime environment component service sends graphic user interface commands to said user interface infrastructure (Column 12, lines 10 – 26).

Regarding claim 29, King discloses a computer program product comprising computer code for a method for presenting a runtime environment component service by a first computer system to a second computer system over a communication network (Column 7, lines 48 – 50), said method being performed by said first computer system and comprising: receiving a remote input action command for a runtime environment component service via said communication network (Column 10, lines 56 – 60), said remote input action command being generated in said second computer system by a lightweight component corresponding to said runtime environment component service (Column 8, lines 38 – 48); transmitting a local input action command to said runtime environment component service in response to said remote input action command; processing said local input action command by said runtime environment component service (Column 12, lines 26 – 38); generating a local output command by said runtime environment component service for a graphical user interface; and transmitting a remote output command to said lightweight component in response to said local output instruction (Column 12, lines 39 – 49).

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

U. S. Patent No. 5471615 issued to Amatsu, because it has a remote interface sending commands to a backend system over a network.

U. S. Patent No. 5596702 issued to Stucka, because it has a server issuing user interfaces to remote users and receiving commands from those users.

U. S. Patent No. 6182129 issued to Rowe, because it has a server controlling communication between an application and a remote user interface.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kevin Bates whose telephone number is (703) 605-0633. The examiner can normally be reached on 8 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hosain Alam can be reached on (703) 308-6662. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

KB

KB
July 14, 2004

HOSAIN ALAM
SUPERVISORY PATENT EXAMINER